

## Special Issue

# Membrane-Based Technologies in Pharmaceutical Sciences

### Message from the Guest Editors

The interlinking of medicinal chemistry and membrane technologies has led to significant advances in the world of medical sciences. Procedures such as drug screening, synthesis, and separation have been extensively performed by the use of membrane-based techniques. In the broad field of pharmaceuticals, the concept of “membrane” represents, not just a useful tool in active pharmaceutical ingredient manufacturing, but it can be extended to aspects of formulation and the biological sciences. For instance, producing lipid and polymeric vesicles intended for drug targeting and/or to resemble cell membrane-like structures or a single layer of cells placed between two or more compartments to perform drug transport and adsorption studies. This special issue aims to highlight methods and emerging concepts for membrane systems with a special emphasis on pharmaceutical sciences. Topics include, but are not limited to: Membrane-based device manufacturing

Drug synthesis and screening

Target identification/validation

Pharmacokinetics studies

Drug delivery systems production (i.e., liposomes, vesicles, etc.)

---

### Guest Editors

Dr. Stefano Focaroli

Prof. Dr. Anne Marie Healy

Prof. Dr. Claudio Nastruzzi

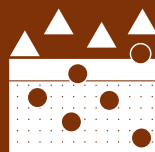
Dr. Viviana Salvatore

Dr. Jayprakash Yadav

---

### Deadline for manuscript submissions

closed (30 June 2023)



## Membranes

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.6  
CiteScore 7.9  
Indexed in PubMed



[mdpi.com/si/77068](https://mdpi.com/si/77068)

*Membranes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[membranes@mdpi.com](mailto:membranes@mdpi.com)

[mdpi.com/journal/  
membranes](https://mdpi.com/journal/membranes)





# Membranes

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.6  
CiteScore 7.9  
Indexed in PubMed



[mdpi.com/journal/  
membranes](https://mdpi.com/journal/membranes)



## About the Journal

### Message from the Editor-in-Chief

You are cordially invited to contribute a research article or a comprehensive review for consideration and publication in *Membranes* (ISSN 2077-0375). *Membranes* is an international, peer-reviewed open access journal of membrane technology published monthly online by MDPI. The journal covers the broad aspects of the science and technology of both biological and non-biological membranes, including membrane dynamics and the preparation and characterization of membranes and their applications in water, environment, energy, and food industries. Articles contributing to better understanding of transport processes in all types of membranes are also welcome. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

---

### Editor-in-Chief

Prof. Dr. Spas D. Kolev  
School of Chemistry, The University of Melbourne, Melbourne, VIC  
3010, Australia

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, CAPlus / SciFinder, Inspec, and other databases.

#### Journal Rank:

JCR - Q2 (Polymer Science) / CiteScore - Q1 (Chemical Engineering (miscellaneous))